

APES

Independent Station Monday/Tuesday

Soil Review Questions

Directions: on the LEFT side of your INB, answer the following questions. You do not have to write the question, however, knowing the question would be very useful while studying. . .

1. What was the Dust Bowl? How did it affect agriculture and/or soil?
2. The Dust Bowl of the 1930s resulted in the passage of what legislation? (Hint: the legislation was passed in the year 1935). Explain the legislation in at least 3 sentences.
3. What was the Soil and Water Conservation Act of 1977? Give a summary of the act in at least 3 sentences. In your OWN words.
4. What would be the best procedure for remediating the effects of soil salinization? (remediate means to fix; in other words what is the best way to fix soil salinization?). Be sure to define salinization as part of your answer.

For the next three questions (5-7), choose ONE the following terms: sheet erosion, desertification, waterlogging, salinization, gully erosion. Be sure to explain the term when answering the question.

5. As a scientist, you are studying a country that is suffering from soil erosion. The symptoms of the land include: loss of native vegetation, increased wind erosion; salinization; drop in water table; reduced surface water supply. From what type of erosion problem is this country suffering?
6. You begin to study another country (because you are SUCH a good scientist). This country's soil is also eroding. The symptoms include: stunted crop growth; lower yield; eventual destruction of plant life. What sort of erosion problem is happening?
7. The last country you study has a problem with saline water enveloping (surrounding) deep roots and killing plants. The erosion in the soil lowers productivity and there is an eventual destruction of plant life. There is a huge rise in the water table. From what type of soil erosion problem is this country suffering?

REVIEW:

8. An alkaline, dark soil, rich in humus, found in a semiarid climate would be most characteristic of:
 - a. deserts
 - b. grasslands
 - c. tropical rain forests
 - d. deciduous forests
 - e. coniferous forests
9. The San Andreas Fault in California occurs at what type of boundary?
10. Earth's surface is part of the
 - a. asthenosphere
 - b. lithosphere
 - c. benthosphere
 - d. troposphere
 - e. stratosphere